Errata: A Kinetic View of Statistical Physics

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1. Problem 2.6:The correct expression for the Laplace transform is

$$P_{\pm}(x,s) = \frac{1}{\sqrt{v^2 + 4Ds}}\, e^{\alpha_{\mp}\, x}.$$

2. Problem 2.9: The constant C is missing the factor 2^{μ}. The correct expression is

$$C = -A\,\sqrt{\pi}\,\Gamma(-\mu/2)/\big[2^{\mu}\,\Gamma\big((1+\mu)/2\big)\big].$$

3. Page 84, line 7: The sentence should read "Consequently, in the reference frame moving at the center of mass velocity, the particle velocities asymptotically decay as ..."

4. Equation (3.79): On the second line, the quantity T^{a_3/a_2} should be replaced with $\big(T/T(0)\big)^{a_3/a_2}$. Similarly, on the third line, the quantity T^{a_4/a_2} should be replaced with $\big(T/T(0)\big)^{a_4/a_2}$.